**WHAT IS CLAIMED IS:**

1. A method of accommodating code collisions from multiple SAW identification tag coded response pulses, comprising:

separating probable candidates by time-domain;

classifying said probable candidates by code-division separation;

employing known coded identification signals to adjust said probable candidates; and

correlating said multiple SAW identification tag coded response pulses to identify said probable candidates for further processing.

2. The method as described in Claim 1 further comprising focusing an interrogation pulse to within a defined space.

3. The method as described in Claim 1 wherein said correlating is further comprised of storing said multiple SAW identification tag coded response pulses in a database for further processing.

4. The method as described in Claim 1 wherein said correlating is further comprised of filtering said multiple SAW identification tag coded response pulses for matching signals.

5. The method as described in Claim 1 further comprising subtracting certain known coded identification signals from said probable candidates.

6. The method as described in Claim 1 wherein said known coded identification signals include known signal templates.

7. The method as described in Claim 1 wherein said time-domain is based on a hierarchical order.

8. The method as described in Claim 7 wherein said hierarchical order is from a general object classification to a specific object included within said general object classification.

9. The method as described in Claim 1 further comprising error-checking said SAW identification tag coded response pulses.

10. The method as described in Claim 1 wherein said separating, classifying, employing, and correlating are in a pre-determined sequence.

11. A method of identifying a unique SAW identification tag coded response pulse for further processing from among multiple SAW identification tag coded response pulses, comprising:

separate said multiple SAW identification tag coded response pulses by time-domain to identify probable candidates;

classify said probable candidates by code-division;

employ known coded identification signals to adjust said probable candidates; and

correlate said multiple SAW identification tag coded response pulses to identify said probable candidates for further processing.

12. The method as described in Claim 11 further comprising focusing an interrogation pulse to within a defined space.

13. The method as described in Claim 11 wherein said correlate is further comprised of storing said multiple SAW identification tag coded response pulses in a database for further processing.

14. The method as described in Claim 11 wherein said correlate is further comprised of filtering said multiple SAW identification tag coded response pulses for matching signals.

15. The method as described in Claim 11 further comprising subtracting said known coded identification signals from said probable candidates.

16. The method as described in Claim 11 wherein said known coded identification signals include a known signal templates.

17. The method as described in Claim 11 wherein said time-domain is based on a hierarchical order.

18. The method as described in Claim 17 wherein said hierarchical order is from a general object classification to a specific object within said general object classification.

19. The method as described in Claim 11 further comprising error-checking said SAW identification tag coded response pulses.

20. The method as described in Claim 11 wherein said separate, classify, employ and correlate are in a pre-determined sequence.